

**Western Wisconsin Projections, 2005-2007**  
**Detailed Occupational Trends**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Annual Openings			Typical Education/Training Path <sup>(4)</sup>	Estimated Salary and Wages		
		2005	2007	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Avg Ann Salary <sup>(5)</sup>	Entry Level Wage <sup>(6)</sup>	Experienced Wage <sup>(7)</sup>
<b>00-0000</b>	<b>Total, All Occupations</b>	<b>136,190</b>	<b>139,020</b>	<b>2,830</b>	<b>2.08%</b>	<b>1,420</b>	<b>3,430</b>	<b>4,850</b>		<b>\$32,331</b>	<b>\$7.95</b>	<b>\$19.34</b>
11-0000	Management Occupations	4,700	4,820	120	2.55%	60	80	140		\$73,127	\$17.88	\$43.80
11-1011	Chief Executives	200	200	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$138,702	\$32.50	\$83.77
11-1021	General and Operations Managers	1,290	1,320	30	2.33%	20	20	40	Bachelor's or higher degree, plus work exp	\$83,718	\$22.25	\$49.25
11-1031	Legislators	*	*	*	*	-10	<5	-10	Bachelor's or higher degree, plus work exp	\$14,916	\$5.98	\$7.77
11-2011	Advertising and Promotions Managers	30	30	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$75,390	\$23.37	\$42.68
11-2021	Marketing Managers	70	70	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$108,156	\$31.66	\$62.17
11-2022	Sales Managers	190	200	10	5.26%	10	<5	10	Bachelor's or higher degree, plus work exp	\$90,287	\$25.92	\$52.15
11-2031	Public Relations Managers	20	20	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$70,357	\$26.06	\$37.71
11-3011	Administrative Services Managers	130	140	10	7.69%	10	<5	10	Bachelor's or higher degree, plus work exp	\$59,463	\$19.86	\$32.95
11-3021	Computer and Information Systems Managers	170	170	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$79,895	\$27.50	\$43.87
11-3031	Financial Managers	250	260	10	4.00%	10	<5	10	Bachelor's or higher degree, plus work exp	\$74,732	\$21.04	\$43.37
11-3041	Compensation and Benefits Managers	30	30	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$76,069	\$21.23	\$44.24
11-3042	Training and Development Managers	20	20	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$77,449	\$23.81	\$43.95
11-3049	Human Resources Managers, All Other	40	40	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$84,878	\$27.76	\$47.33
11-3051	Industrial Production Managers	220	230	10	4.55%	10	<5	10	Bachelor's or higher degree, plus work exp	\$71,689	\$23.83	\$39.78
11-3061	Purchasing Managers	60	60	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$63,949	\$17.04	\$37.60
11-3071	Transportation, Storage, and Distribution Managers	80	80	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$75,787	\$21.79	\$43.76
11-9021	Construction Managers	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$67,299	\$26.21	\$35.43
11-9031	Education Administrators, Preschool and Child Care Center/Program	40	40	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp			
11-9032	Education Administrators, Elementary and Secondary School	170	170	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$73,556		
11-9033	Education Administrators, Postsecondary	130	140	10	7.69%	10	<5	10	Bachelor's or higher degree, plus work exp	\$63,384	\$20.40	\$35.51
11-9039	Education Administrators, All Other	20	20	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$55,247	\$20.80	\$29.44
11-9041	Engineering Managers	130	140	10	7.69%	10	<5	10	Bachelor's or higher degree, plus work exp	\$84,114	\$31.50	\$44.91
11-9051	Food Service Managers	170	180	10	5.88%	10	<5	10	Work experience in a related occupation	\$37,437	\$12.26	\$20.87
11-9061	Funeral Directors	40	40	0	0.00%	<5	<5	<5	Associate degree	\$64,064	\$19.70	\$36.35
11-9071	Gaming Managers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
11-9081	Lodging Managers	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$42,927	\$14.44	\$23.74
11-9111	Medical and Health Services Managers	280	290	10	3.57%	10	10	20	Bachelor's or higher degree, plus work exp	\$69,530	\$22.75	\$38.77
11-9121	Natural Sciences Managers	20	20	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$85,602	\$34.28	\$44.59
11-9131	Postmasters and Mail Superintendents	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$51,763	\$19.58	\$27.54
11-9141	Property, Real Estate, and Community Association Managers	*	*	*	*	<5	<5	<5	Bachelor's degree	\$46,926	\$15.51	\$26.09
11-9151	Social and Community Service Managers	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$46,967	\$13.61	\$27.06
11-9199	Managers, All Other	280	280	0	0.00%	<5	10	10	Work experience in a related occupation	\$65,752	\$21.16	\$36.84
13-0000	Business and Financial Operations Occupations	4,210	4,300	90	2.14%	50	70	120		\$47,222	\$14.18	\$26.96
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
13-1021	Purchasing Agents and Buyers, Farm Products	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$41,983	\$14.28	\$23.14
13-1022	Wholesale and Retail Buyers, Except Farm Products	100	100	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,541	\$10.35	\$26.95
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	330	340	10	3.03%	10	10	20	Bachelor's degree	\$43,299	\$15.43	\$23.51
13-1031	Claims Adjusters, Examiners, and Investigators	*	*	*	*	10	<5	10	Long-term on-the-job training	\$50,163	\$16.83	\$27.76
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	130	130	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$47,253	\$14.57	\$26.79

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13-1051	Cost Estimators	210	220	10	4.76%	10	10	20	Bachelor's degree	\$42,557	\$14.44	\$23.47
13-1061	Emergency Management Specialists	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
13-1071	Employment, Recruitment, and Placement Specialists	*	*	*	*	10	<5	10	Bachelor's degree	\$35,424	\$14.34	\$18.37
13-1072	Compensation, Benefits, and Job Analysis Specialists	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,588	\$14.92	\$23.97
13-1073	Training and Development Specialists	190	190	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,111	\$13.94	\$24.12
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	200	210	10	5.00%	10	<5	10	Bachelor's degree	\$28,584	\$5.91	\$17.66
13-1081	Logisticians	*	*	*	*	<5	<5	<5	Bachelor's degree	\$56,472	\$20.50	\$30.47
13-1111	Management Analysts	190	200	10	5.26%	10	<5	10	Bachelor's or higher degree, plus work exp	\$56,410	\$18.65	\$31.36
13-1121	Meeting and Convention Planners	30	40	10	33.33%	10	<5	10	Bachelor's degree	\$31,369	\$9.94	\$17.65
13-1199	Business Operations Specialists, All Other	830	860	30	3.61%	20	10	30	Bachelor's degree	\$50,162	\$14.66	\$28.84
13-2011	Accountants and Auditors	840	860	20	2.38%	10	20	30	Bachelor's degree	\$50,645	\$17.75	\$27.65
13-2021	Appraisers and Assessors of Real Estate	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$55,616	\$19.84	\$30.19
13-2031	Budget Analysts	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$54,604	\$20.57	\$29.09
13-2041	Credit Analysts	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,286	\$18.52	\$22.68
13-2051	Financial Analysts	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$74,615	\$20.67	\$43.47
13-2052	Personal Financial Advisors	80	80	0	0.00%	<5	<5	<5	Bachelor's degree	\$66,061	\$18.82	\$38.23
13-2053	Insurance Underwriters	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,177	\$13.89	\$24.91
13-2061	Financial Examiners	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2071	Loan Counselors	10	10	0	0.00%	<5	<5	<5	Bachelor's degree			
13-2072	Loan Officers	350	340	-10	-2.86%	-10	10	<5	Bachelor's degree	\$50,760	\$15.54	\$28.83
13-2081	Tax Examiners, Collectors, and Revenue Agents	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2082	Tax Preparers	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,366	\$9.92	\$13.33
13-2099	Financial Specialists, All Other	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$39,669	\$12.73	\$22.25
15-0000	Computer and Mathematical Occupations	1,630	1,710	80	4.91%	40	20	60		\$53,042	\$16.18	\$30.16
15-1011	Computer and Information Scientists, Research	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
15-1021	Computer Programmers	200	200	0	0.00%	<5	10	10	Bachelor's degree	\$54,392	\$17.75	\$30.35
15-1031	Computer Software Engineers, Applications	250	270	20	8.00%	10	<5	10	Bachelor's degree	\$62,915	\$23.02	\$33.86
15-1032	Computer Software Engineers, Systems Software	*	*	*	*	10	<5	10	Bachelor's degree			
15-1041	Computer Support Specialists	330	340	10	3.03%	10	<5	10	Associate degree	\$36,920	\$13.31	\$19.97
15-1051	Computer Systems Analysts	360	370	10	2.78%	10	<5	10	Bachelor's degree	\$60,001	\$20.56	\$32.99
15-1061	Database Administrators	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$64,277	\$23.53	\$34.59
15-1071	Network and Computer Systems Administrators	190	200	10	5.26%	10	<5	10	Bachelor's degree	\$51,175	\$16.09	\$28.86
15-1081	Network Systems and Data Communications Analysts	100	110	10	10.00%	10	<5	10	Bachelor's degree	\$55,962	\$17.19	\$31.76
15-1099	Computer Specialists, All Other	*	*	*	*	<5	<5	<5	Associate degree			
15-2011	Actuaries	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
15-2031	Operations Research Analysts	10	10	0	0.00%	<5	<5	<5	Master's degree			
15-2041	Statisticians	*	*	*	*	<5	<5	<5	Master's degree			
17-0000	Architecture and Engineering Occupations	1,690	1,730	40	2.37%	20	40	60		\$53,608	\$16.53	\$30.40
17-1011	Architects, Except Landscape and Naval	*	*	*	*	<5	<5	<5	Bachelor's degree	\$49,552	\$16.21	\$27.63
17-1012	Landscape Architects	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-1021	Cartographers and Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-1022	Surveyors	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$41,970	\$16.10	\$22.22
17-2021	Agricultural Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2031	Biomedical Engineers	0	0	0	NA	<5	<5	<5	Bachelor's degree			
17-2041	Chemical Engineers	10	10	0	0.00%	<5	<5	<5	Bachelor's degree			
17-2051	Civil Engineers	130	130	0	0.00%	<5	<5	<5	Bachelor's degree	\$61,981	\$24.47	\$32.46
17-2061	Computer Hardware Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2071	Electrical Engineers	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$65,682	\$22.76	\$35.98
17-2072	Electronics Engineers, Except Computer	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2081	Environmental Engineers	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$59,482	\$24.81	\$30.49

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17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	*	*	*	*	<5	<5	<5	Bachelor's degree	\$65,815	\$26.47	\$34.23
17-2112	Industrial Engineers	170	180	10	5.88%	10	<5	10	Bachelor's degree	\$65,885	\$23.23	\$35.90
17-2131	Materials Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2141	Mechanical Engineers	310	320	10	3.23%	10	10	20	Bachelor's degree	\$64,620	\$22.20	\$35.50
17-2161	Nuclear Engineers	10	10	0	0.00%	<5	<5	<5	Bachelor's degree			
17-2199	Engineers, All Other	130	140	10	7.69%	10	<5	10	Bachelor's degree	\$70,280	\$24.55	\$38.41
17-3011	Architectural and Civil Drafters	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$33,963	\$11.83	\$18.58
17-3012	Electrical and Electronics Drafters	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$41,944	\$18.56	\$20.97
17-3013	Mechanical Drafters	170	170	0	0.00%	<5	10	10	Postsecondary vocational training	\$39,489	\$12.31	\$22.32
17-3019	Drafters, All Other	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
17-3022	Civil Engineering Technicians	70	70	0	0.00%	<5	<5	<5	Associate degree	\$43,349	\$16.52	\$23.00
17-3023	Electrical and Electronic Engineering Technicians	*	*	*	*	<5	<5	<5	Associate degree			
17-3024	Electro-Mechanical Technicians	*	*	*	*	<5	<5	<5	Associate degree			
17-3025	Environmental Engineering Technicians	*	*	*	*	<5	<5	<5	Associate degree			
17-3026	Industrial Engineering Technicians	50	50	0	0.00%	<5	<5	<5	Associate degree	\$41,450	\$16.63	\$21.58
17-3027	Mechanical Engineering Technicians	*	*	*	*	<5	<5	<5	Associate degree	\$53,908	\$17.26	\$30.25
17-3029	Engineering Technicians, Except Drafters, All Other	40	40	0	0.00%	<5	<5	<5	Associate degree	\$52,617	\$15.86	\$30.01
17-3031	Surveying and Mapping Technicians	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$39,278	\$14.72	\$20.97
19-0000	Life, Physical, and Social Science Occupations	1,080	1,110	30	2.78%	20	20	40		\$48,996	\$13.95	\$28.36
19-1011	Animal Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-1012	Food Scientists and Technologists	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-1013	Soil and Plant Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	\$54,375	\$20.18	\$29.12
19-1021	Biochemists and Biophysicists	*	*	*	*	<5	<5	<5	Doctoral degree			
19-1022	Microbiologists	*	*	*	*	<5	<5	<5	Doctoral degree			
19-1023	Zoologists and Wildlife Biologists	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$60,231	\$19.26	\$33.81
19-1029	Biological Scientists, All Other	30	30	0	0.00%	<5	<5	<5	Doctoral degree	\$53,734	\$16.25	\$30.62
19-1031	Conservation Scientists	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$52,728	\$17.15	\$29.45
19-1032	Foresters	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,696	\$17.86	\$22.58
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree			
19-1042	Medical Scientists, Except Epidemiologists	60	70	10	16.67%	10	<5	10	Doctoral degree	\$48,490	\$17.15	\$26.39
19-1099	Life Scientists, All Other	0	0	0	NA	<5	<5	<5	Bachelor's degree			
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree			
19-2012	Physicists	*	*	*	*	<5	<5	<5	Doctoral degree			
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-2031	Chemists	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$51,829	\$12.58	\$31.09
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-2041	Environmental Scientists and Specialists, Including Health	40	40	0	0.00%	<5	<5	<5	Master's degree	\$41,100	\$10.25	\$24.51
19-2042	Geoscientists, Except Hydrologists and Geographers	10	10	0	0.00%	<5	<5	<5	Master's degree			
19-2043	Hydrologists	*	*	*	*	<5	<5	<5	Master's degree			
19-2099	Physical Scientists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree			
19-3021	Market Research Analysts	160	160	0	0.00%	<5	<5	<5	Master's degree	\$63,119	\$19.23	\$35.90
19-3022	Survey Researchers	*	*	*	*	<5	<5	<5	Master's degree			
19-3031	Clinical, Counseling, and School Psychologists	120	130	10	8.33%	10	<5	10	Doctoral degree	\$51,684	\$18.67	\$27.94
19-3039	Psychologists, All Other	*	*	*	*	<5	<5	<5	Master's degree			
19-3041	Sociologists	0	0	0	NA	<5	<5	<5	Master's degree			
19-3051	Urban and Regional Planners	30	30	0	0.00%	<5	<5	<5	Master's degree	\$48,201	\$18.42	\$25.55
19-3091	Anthropologists and Archeologists	*	*	*	*	<5	<5	<5	Master's degree			
19-3092	Geographers	*	*	*	*	<5	<5	<5	Master's degree			
19-3093	Historians	*	*	*	*	<5	<5	<5	Master's degree			

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19-3099	Social Scientists and Related Workers, All Other	*	*	*	*	<5	<5	<5	Master's degree	\$48,622	\$18.54	\$25.79
19-4011	Agricultural and Food Science Technicians	30	30	0	0.00%	<5	<5	<5	Associate degree	\$27,257	\$9.67	\$14.82
19-4021	Biological Technicians	50	60	10	20.00%	10	<5	10	Associate degree	\$30,751	\$10.67	\$16.84
19-4031	Chemical Technicians	30	30	0	0.00%	<5	<5	<5	Associate degree	\$38,050	\$12.73	\$21.08
19-4061	Social Science Research Assistants	*	*	*	*	<5	<5	<5	Associate degree			
19-4091	Environmental Science and Protection Technicians, Including Health	*	*	*	*	<5	<5	<5	Associate degree			
19-4092	Forensic Science Technicians	*	*	*	*	<5	<5	<5	Associate degree			
19-4093	Forest and Conservation Technicians	30	30	0	0.00%	<5	<5	<5	Associate degree	\$33,266	\$11.80	\$18.09
19-4099	Life, Physical, and Social Science Technicians, All Other	90	90	0	0.00%	<5	<5	<5	Associate degree	\$36,585	\$12.47	\$20.15
21-0000	Community and Social Services Occupations	2,400	2,470	70	2.92%	40	40	80		\$35,111	\$10.80	\$19.92
21-1011	Substance Abuse and Behavioral Disorder Counselors	*	*	*	*	<5	<5	<5	Master's degree			
21-1012	Educational, Vocational, and School Counselors	190	200	10	5.26%	10	<5	10	Master's degree	\$45,533	\$15.52	\$25.08
21-1013	Marriage and Family Therapists	30	30	0	0.00%	<5	<5	<5	Master's degree			
21-1014	Mental Health Counselors	70	80	10	14.29%	10	<5	10	Master's degree	\$39,554	\$14.79	\$21.13
21-1015	Rehabilitation Counselors	150	150	0	0.00%	<5	<5	<5	Master's degree	\$29,715	\$11.38	\$15.74
21-1019	Counselors, All Other	60	60	0	0.00%	<5	<5	<5	Master's degree	\$27,411	\$7.95	\$15.79
21-1021	Child, Family, and School Social Workers	320	330	10	3.13%	10	10	20	Master's degree	\$39,889	\$13.34	\$22.10
21-1022	Medical and Public Health Social Workers	110	110	0	0.00%	<5	<5	<5	Master's degree	\$42,825	\$16.96	\$22.40
21-1023	Mental Health and Substance Abuse Social Workers	100	110	10	10.00%	10	<5	10	Master's degree	\$38,801	\$13.00	\$21.48
21-1029	Social Workers, All Other	*	*	*	*	<5	<5	<5	Master's degree	\$52,242	\$18.75	\$28.30
21-1091	Health Educators	40	40	0	0.00%	<5	<5	<5	Master's degree	\$39,031	\$13.40	\$21.45
21-1092	Probation Officers and Correctional Treatment Specialists	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$39,347	\$14.85	\$20.95
21-1093	Social and Human Service Assistants	410	430	20	4.88%	10	10	20	Moderate-term on-the-job training	\$26,866	\$9.89	\$14.43
21-1099	Community and Social Service Specialists, All Other	120	130	10	8.33%	10	<5	10	Bachelor's degree	\$26,741	\$6.05	\$16.26
21-2011	Clergy	420	420	0	0.00%	<5	10	10	Master's degree	\$38,556	\$12.49	\$21.56
21-2021	Directors, Religious Activities and Education	*	*	*	*	<5	<5	<5	Bachelor's degree			
21-2099	Religious Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
23-0000	Legal Occupations	510	520	10	1.96%	10	10	20		\$66,852	\$13.90	\$41.26
23-1011	Lawyers	270	280	10	3.70%	10	<5	10	First professional degree	\$82,585	\$22.90	\$48.11
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
23-1022	Arbitrators, Mediators, and Conciliators	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
23-1023	Judges, Magistrate Judges, and Magistrates	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
23-2011	Paralegals and Legal Assistants	90	90	0	0.00%	<5	<5	<5	Associate degree	\$29,291	\$11.63	\$15.31
23-2091	Court Reporters	10	10	0	0.00%	<5	<5	<5	Postsecondary vocational training			
23-2092	Law Clerks	*	*	*	*	<5	<5	<5	Bachelor's degree			
23-2093	Title Examiners, Abstractors, and Searchers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
23-2099	Legal Support Workers, All Other	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,468	\$17.90	\$22.40
25-0000	Education, Training, and Library Occupations	7,290	7,520	230	3.16%	120	140	260		\$38,794	\$11.36	\$22.30
25-1011	Business Teachers, Postsecondary	70	80	10	14.29%	10	<5	10	Doctoral degree	\$68,354		
25-1021	Computer Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1022	Mathematical Science Teachers, Postsecondary	40	40	0	0.00%	<5	<5	<5	Doctoral degree	\$55,040		
25-1031	Architecture Teachers, Postsecondary	0	0	0	NA	<5	<5	<5	Doctoral degree			
25-1032	Engineering Teachers, Postsecondary	20	20	0	0.00%	<5	<5	<5	Doctoral degree			
25-1041	Agricultural Sciences Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1042	Biological Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1043	Forestry and Conservation Science Teachers, Postsecondary	0	0	0	NA	<5	<5	<5	Doctoral degree			

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25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1052	Chemistry Teachers, Postsecondary	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$56,943		
25-1053	Environmental Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1054	Physics Teachers, Postsecondary	10	10	0	0.00%	<5	<5	<5	Doctoral degree	\$51,084		
25-1061	Anthropology and Archeology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1063	Economics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1064	Geography Teachers, Postsecondary	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
25-1065	Political Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1066	Psychology Teachers, Postsecondary	20	30	10	50.00%	10	<5	10	Doctoral degree	\$50,323		
25-1067	Sociology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1069	Social Sciences Teachers, Postsecondary, All Other	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
25-1071	Health Specialties Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Master's degree			
25-1072	Nursing Instructors and Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1081	Education Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1082	Library Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
25-1112	Law Teachers, Postsecondary	0	10	10	NA	10	<5	10	Doctoral degree			
25-1113	Social Work Teachers, Postsecondary	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
25-1121	Art, Drama, and Music Teachers, Postsecondary	70	70	0	0.00%	<5	<5	<5	Master's degree	\$58,922		
25-1122	Communications Teachers, Postsecondary	*	*	*	*	10	<5	10	Doctoral degree			
25-1123	English Language and Literature Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1124	Foreign Language and Literature Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1125	History Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1126	Philosophy and Religion Teachers, Postsecondary	*	*	*	*	10	<5	10	Doctoral degree			
25-1191	Graduate Teaching Assistants	*	*	*	*	<5	<5	<5	Bachelor's degree			
25-1192	Home Economics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	10	10	0	0.00%	<5	<5	<5	Master's degree	\$43,921		
25-1194	Vocational Education Teachers, Postsecondary	*	*	*	*	10	<5	10	Work experience in a related occupation			
25-1199	Postsecondary Teachers, All Other	140	140	0	0.00%	<5	<5	<5	Doctoral degree	\$64,649		
25-2011	Preschool Teachers, Except Special Education	340	360	20	5.88%	10	<5	10	Bachelor's degree	\$23,484	\$8.27	\$12.80
25-2012	Kindergarten Teachers, Except Special Education	140	140	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,318		
25-2021	Elementary School Teachers, Except Special Education	1,240	1,270	30	2.42%	20	20	40	Bachelor's degree	\$40,721		
25-2022	Middle School Teachers, Except Special and Vocational Education	650	660	10	1.54%	10	10	20	Bachelor's degree	\$40,236		
25-2023	Vocational Education Teachers, Middle School	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,242		
25-2031	Secondary School Teachers, Except Special and Vocational Education	1,050	1,070	20	1.90%	10	30	40	Bachelor's degree	\$42,262		
25-2032	Vocational Education Teachers, Secondary School	80	90	10	12.50%	10	<5	10	Bachelor's degree	\$43,238		
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	150	160	10	6.67%	10	<5	10	Bachelor's degree	\$41,131		



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25-2042	Special Education Teachers, Middle School	80	80	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,090		
25-2043	Special Education Teachers, Secondary School	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,607		
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$46,770	\$18.24	\$24.61
25-3021	Self-Enrichment Education Teachers	170	170	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$29,818	\$9.05	\$16.98
25-3099	Teachers and Instructors, All Other	*	*	*	*	10	10	20	Bachelor's degree	\$33,759	\$11.30	\$18.70
25-4011	Archivists	0	0	0	NA	<5	<5	<5	Master's degree			
25-4012	Curators	*	*	*	*	<5	<5	<5	Master's degree			
25-4013	Museum Technicians and Conservators	0	0	0	NA	<5	<5	<5	Master's degree			
25-4021	Librarians	140	140	0	0.00%	<5	<5	<5	Master's degree	\$40,761	\$15.22	\$21.79
25-4031	Library Technicians	150	150	0	0.00%	<5	10	10	Postsecondary vocational training	\$22,454	\$7.55	\$12.42
25-9011	Audio-Visual Collections Specialists	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
25-9021	Farm and Home Management Advisors	*	*	*	*	10	<5	10	Bachelor's degree			
25-9031	Instructional Coordinators	60	60	0	0.00%	<5	<5	<5	Master's degree	\$57,815	\$20.07	\$31.66
25-9041	Teacher Assistants	1,070	1,100	30	2.80%	20	20	40	Associate degree	\$21,687		
25-9099	Education, Training, and Library Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	\$47,192	\$17.07	\$25.50
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	1,490	1,530	40	2.68%	20	30	50		\$34,293	\$9.25	\$20.11
27-1011	Art Directors	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
27-1012	Craft Artists	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-1014	Multi-Media Artists and Animators	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-1019	Artists and Related Workers, All Other	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
27-1021	Commercial and Industrial Designers	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-1022	Fashion Designers	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-1023	Floral Designers	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$21,307	\$7.37	\$11.68
27-1024	Graphic Designers	150	150	0	0.00%	<5	<5	<5	Bachelor's degree	\$30,478	\$11.34	\$16.31
27-1025	Interior Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	\$33,481	\$10.83	\$18.73
27-1026	Merchandise Displayers and Window Trimmers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$26,436	\$9.21	\$14.46
27-1027	Set and Exhibit Designers	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-1029	Designers, All Other	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,512	\$14.97	\$24.62
27-2011	Actors	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
27-2012	Producers and Directors	30	30	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$37,625	\$10.89	\$21.69
27-2021	Athletes and Sports Competitors	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training			
27-2022	Coaches and Scouts	140	140	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$32,559		
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
27-2041	Music Directors and Composers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
27-2042	Musicians and Singers	90	90	0	0.00%	<5	<5	<5	Long-term on-the-job training			
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-3011	Radio and Television Announcers	70	70	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$22,739	\$6.40	\$13.20
27-3012	Public Address System and Other Announcers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-3021	Broadcast News Analysts	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
27-3022	Reporters and Correspondents	40	50	10	25.00%	10	<5	10	Bachelor's or higher degree, plus work exp	\$35,306	\$9.30	\$20.81
27-3031	Public Relations Specialists	160	170	10	6.25%	10	<5	10	Bachelor's degree	\$40,010	\$14.49	\$21.61
27-3041	Editors	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$37,655	\$13.45	\$20.43
27-3042	Technical Writers	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$49,579	\$20.14	\$25.68
27-3043	Writers and Authors	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,460	\$15.88	\$21.24
27-3091	Interpreters and Translators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$38,135	\$13.45	\$20.78
27-3099	Media and Communication Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-4011	Audio and Video Equipment Technicians	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$34,392	\$9.84	\$19.88

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27-4012	Broadcast Technicians	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$22,634	\$6.13	\$13.26
27-4014	Sound Engineering Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
27-4021	Photographers	40	50	10	25.00%	10	<5	10	Bachelor's degree	\$45,232	\$14.96	\$25.14
27-4031	Camera Operators, Television, Video, and Motion Picture	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
27-4032	Film and Video Editors	0	0	0	NA	<5	<5	<5	Bachelor's degree			
27-4099	Media and Communication Equipment Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
29-0000	Healthcare Practitioners and Technical Occupations	9,030	9,400	370	4.10%	190	150	340		\$57,525	\$15.05	\$33.96
29-1011	Chiropractors	*	*	*	*	10	<5	10	First professional degree	\$110,532	\$24.73	\$67.35
29-1021	Dentists, General	120	120	0	0.00%	<5	<5	<5	First professional degree	\$105,095	\$36.50	\$57.54
29-1022	Oral and Maxillofacial Surgeons	*	*	*	*	<5	<5	<5	First professional degree			
29-1023	Orthodontists	*	*	*	*	<5	<5	<5	First professional degree			
29-1024	Prosthodontists	*	*	*	*	<5	<5	<5	First professional degree			
29-1029	Dentists, All Other Specialists	*	*	*	*	<5	<5	<5	First professional degree			
29-1031	Dietitians and Nutritionists	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$48,996	\$18.64	\$26.02
29-1041	Optometrists	30	30	0	0.00%	<5	<5	<5	First professional degree	\$114,330	\$40.99	\$61.95
29-1051	Pharmacists	260	270	10	3.85%	10	10	20	First professional degree	\$95,169	\$38.40	\$49.43
29-1061	Anesthesiologists	*	*	*	*	<5	<5	<5	First professional degree			
29-1062	Family and General Practitioners	120	120	0	0.00%	<5	<5	<5	First professional degree	\$163,683	\$57.06	\$89.51
29-1063	Internists, General	*	*	*	*	10	<5	10	First professional degree	\$162,563	\$57.79	\$88.34
29-1064	Obstetricians and Gynecologists	*	*	*	*	<5	<5	<5	First professional degree			
29-1065	Pediatricians, General	*	*	*	*	<5	<5	<5	First professional degree			
29-1066	Psychiatrists	*	*	*	*	<5	<5	<5	First professional degree	\$165,578		
29-1067	Surgeons	90	90	0	0.00%	<5	<5	<5	First professional degree	\$193,377		
29-1069	Physicians and Surgeons, All Other	320	330	10	3.13%	10	<5	10	First professional degree	\$172,571		
29-1071	Physician Assistants	*	*	*	*	10	<5	10	Bachelor's degree			
29-1081	Podiatrists	*	*	*	*	<5	<5	<5	First professional degree			
29-1111	Registered Nurses	3,410	3,580	170	4.99%	90	60	150	Bachelor's degree	\$52,679	\$20.42	\$27.78
29-1121	Audiologists	*	*	*	*	<5	<5	<5	Doctoral degree			
29-1122	Occupational Therapists	180	190	10	5.56%	10	<5	10	Master's degree	\$59,822	\$21.75	\$32.27
29-1123	Physical Therapists	220	230	10	4.55%	10	<5	10	Master's degree	\$63,575	\$24.20	\$33.75
29-1124	Radiation Therapists	*	*	*	*	<5	<5	<5	Associate degree			
29-1125	Recreational Therapists	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$36,573	\$12.52	\$20.12
29-1126	Respiratory Therapists	110	110	0	0.00%	<5	<5	<5	Associate degree	\$43,915	\$17.32	\$23.01
29-1127	Speech-Language Pathologists	110	110	0	0.00%	<5	<5	<5	Master's degree	\$48,434	\$17.62	\$26.12
29-1129	Therapists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
29-1131	Veterinarians	60	60	0	0.00%	<5	<5	<5	First professional degree	\$60,293	\$19.85	\$33.55
29-1199	Health Diagnosing and Treating Practitioners, All Other	*	*	*	*	<5	<5	<5	First professional degree			
29-2011	Medical and Clinical Laboratory Technologists	210	220	10	4.76%	10	10	20	Bachelor's degree	\$49,634	\$19.60	\$25.99
29-2012	Medical and Clinical Laboratory Technicians	130	140	10	7.69%	10	<5	10	Associate degree	\$34,287	\$13.60	\$17.93
29-2021	Dental Hygienists	230	240	10	4.35%	10	<5	10	Associate degree	\$52,303	\$24.29	\$25.57
29-2031	Cardiovascular Technologists and Technicians	*	*	*	*	<5	<5	<5	Associate degree			
29-2032	Diagnostic Medical Sonographers	50	60	10	20.00%	10	<5	10	Associate degree	\$64,978	\$25.82	\$33.95
29-2033	Nuclear Medicine Technologists	30	30	0	0.00%	<5	<5	<5	Associate degree	\$61,099	\$26.01	\$31.06
29-2034	Radiologic Technologists and Technicians	330	340	10	3.03%	10	10	20	Associate degree	\$45,053	\$18.11	\$23.44
29-2041	Emergency Medical Technicians and Paramedics	440	450	10	2.27%	10	10	20	Postsecondary vocational training	\$25,018	\$8.49	\$13.80
29-2051	Dietetic Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
29-2052	Pharmacy Technicians	320	330	10	3.13%	10	<5	10	Moderate-term on-the-job training	\$23,100	\$8.46	\$12.43
29-2053	Psychiatric Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
29-2054	Respiratory Therapy Technicians	*	*	*	*	<5	<5	<5	Associate degree			
29-2055	Surgical Technologists	*	*	*	*	10	<5	10	Postsecondary vocational training	\$38,724	\$14.96	\$20.44

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29-2056	Veterinary Technologists and Technicians	60	60	0	0.00%	<5	<5	<5	Associate degree	\$23,732	\$9.79	\$12.22
29-2061	Licensed Practical and Licensed Vocational Nurses	710	710	0	0.00%	<5	10	10	Postsecondary vocational training	\$33,572	\$13.76	\$17.33
29-2071	Medical Records and Health Information Technicians	250	260	10	4.00%	10	<5	10	Associate degree	\$27,005	\$9.15	\$14.90
29-2081	Opticians, Dispensing	*	*	*	*	10	<5	10	Long-term on-the-job training			
29-2091	Orthotists and Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree			
29-2099	Health Technologists and Technicians, All Other	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
29-9011	Occupational Health and Safety Specialists	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$52,022	\$18.97	\$28.03
29-9012	Occupational Health and Safety Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
29-9091	Athletic Trainers	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$36,535		
29-9099	Healthcare Practitioners and Technical Workers, All Other	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$36,298	\$10.50	\$20.93
31-0000	Healthcare Support Occupations	4,630	4,790	160	3.46%	80	70	150		\$23,969	\$9.28	\$12.64
31-1011	Home Health Aides	600	640	40	6.67%	20	10	30	Short-term on-the-job training	\$19,890	\$8.54	\$10.07
31-1012	Nursing Aides, Orderlies, and Attendants	2,270	2,300	30	1.32%	20	30	50	Postsecondary vocational training	\$23,186	\$9.48	\$11.98
31-1013	Psychiatric Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
31-2011	Occupational Therapist Assistants	40	50	10	25.00%	10	<5	10	Associate degree	\$33,077	\$14.09	\$16.81
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
31-2021	Physical Therapist Assistants	80	90	10	12.50%	10	<5	10	Associate degree	\$36,791	\$13.71	\$19.68
31-2022	Physical Therapist Aides	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$24,085	\$9.87	\$12.43
31-9011	Massage Therapists	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$38,329	\$13.31	\$20.99
31-9091	Dental Assistants	260	280	20	7.69%	10	10	20	Moderate-term on-the-job training	\$25,710	\$11.18	\$12.95
31-9092	Medical Assistants	430	460	30	6.98%	20	10	30	Moderate-term on-the-job training	\$26,222	\$11.17	\$13.33
31-9093	Medical Equipment Preparers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$29,309	\$11.65	\$15.31
31-9094	Medical Transcriptionists	*	*	*	*	10	10	20	Postsecondary vocational training			
31-9095	Pharmacy Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$24,445	\$8.27	\$13.49
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$17,353	\$6.81	\$9.11
31-9099	Healthcare Support Workers, All Other	400	410	10	2.50%	10	10	20	Short-term on-the-job training	\$22,833	\$8.69	\$12.12
33-0000	Protective Service Occupations	2,670	2,700	30	1.12%	20	90	110		\$32,374	\$8.84	\$18.93
33-1011	First-Line Supervisors/Managers of Correctional Officers	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$50,275	\$21.21	\$25.65
33-1012	First-Line Supervisors/Managers of Police and Detectives	80	80	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$55,982	\$22.27	\$29.24
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	50	50	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$34,898	\$5.94	\$22.20
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$46,395	\$16.27	\$25.32
33-2011	Fire Fighters	480	490	10	2.08%	10	10	20	Long-term on-the-job training	\$24,100	\$5.90	\$14.43
33-2021	Fire Inspectors and Investigators	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
33-3011	Bailiffs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
33-3012	Correctional Officers and Jailers	370	360	-10	-2.70%	-10	10	<5	Moderate-term on-the-job training	\$33,454	\$13.92	\$17.17
33-3021	Detectives and Criminal Investigators	100	110	10	10.00%	10	<5	10	Work experience in a related occupation	\$51,407	\$19.00	\$27.57
33-3031	Fish and Game Wardens	*	*	*	*	<5	<5	<5	Associate degree	\$39,906	\$14.64	\$21.46
33-3041	Parking Enforcement Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
33-3051	Police and Sheriff's Patrol Officers	690	700	10	1.45%	10	20	30	Long-term on-the-job training	\$38,078	\$13.41	\$20.76
33-9011	Animal Control Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
33-9021	Private Detectives and Investigators	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
33-9031	Gaming Surveillance Officers and Gaming Investigators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
33-9032	Security Guards	410	420	10	2.44%	10	10	20	Short-term on-the-job training	\$23,358	\$6.98	\$13.35
33-9091	Crossing Guards	100	110	10	10.00%	10	<5	10	Short-term on-the-job training	\$24,219	\$8.17	\$13.38
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	*	*	*	*	<5	10	10	Short-term on-the-job training			



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33-9099	Protective Service Workers, All Other	120	120	0	0.00%	<5	10	10	Short-term on-the-job training	\$25,883	\$8.72	\$14.31
35-0000	Food Preparation and Serving Related Occupations	12,090	12,440	350	2.89%	180	590	770		\$16,336	\$5.92	\$8.82
35-1011	Chefs and Head Cooks	170	180	10	5.88%	10	10	20	Postsecondary vocational training	\$24,721	\$8.31	\$13.67
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	790	820	30	3.80%	20	20	40	Work experience in a related occupation	\$27,552	\$8.81	\$15.46
35-2011	Cooks, Fast Food	570	590	20	3.51%	10	20	30	Short-term on-the-job training	\$14,888	\$6.03	\$7.72
35-2012	Cooks, Institution and Cafeteria	430	430	0	0.00%	<5	20	20	Long-term on-the-job training	\$20,334	\$7.04	\$11.14
35-2013	Cooks, Private Household	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
35-2014	Cooks, Restaurant	680	700	20	2.94%	10	30	40	Long-term on-the-job training	\$18,059	\$7.14	\$9.45
35-2015	Cooks, Short Order	280	280	0	0.00%	<5	10	10	Short-term on-the-job training	\$15,880	\$5.82	\$8.54
35-2019	Cooks, All Other	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
35-2021	Food Preparation Workers	760	790	30	3.95%	20	40	60	Short-term on-the-job training	\$16,776	\$6.09	\$9.06
35-3011	Bartenders	1,260	1,290	30	2.38%	20	50	70	Short-term on-the-job training	\$15,099	\$5.90	\$7.94
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	2,750	2,840	90	3.27%	50	150	200	Short-term on-the-job training	\$16,189	\$5.91	\$8.72
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	310	320	10	3.23%	10	30	40	Short-term on-the-job training	\$14,955	\$6.00	\$7.79
35-3031	Waiters and Waitresses	2,400	2,480	80	3.33%	40	140	180	Short-term on-the-job training	\$13,808	\$5.91	\$7.00
35-3041	Food Servers, Nonrestaurant	260	260	0	0.00%	<5	10	10	Short-term on-the-job training	\$17,438	\$6.06	\$9.55
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	420	430	10	2.38%	10	20	30	Short-term on-the-job training	\$13,723	\$5.92	\$6.94
35-9021	Dishwashers	640	660	20	3.13%	10	30	40	Short-term on-the-job training	\$13,546	\$5.88	\$6.83
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	290	310	20	6.90%	10	10	20	Short-term on-the-job training	\$15,298	\$5.91	\$8.08
35-9099	Food Preparation and Serving Related Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$13,405	\$6.02	\$6.65
37-0000	Building and Grounds Cleaning and Maintenance Occupations	4,530	4,670	140	3.09%	70	90	160		\$21,484	\$6.79	\$12.10
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	180	190	10	5.56%	10	<5	10	Work experience in a related occupation	\$34,323	\$11.37	\$19.06
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	80	90	10	12.50%	10	<5	10	Work experience in a related occupation	\$38,846	\$12.59	\$21.72
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2,370	2,460	90	3.80%	50	50	100	Short-term on-the-job training	\$23,327	\$7.92	\$12.86
37-2012	Maids and Housekeeping Cleaners	1,120	1,150	30	2.68%	20	20	40	Short-term on-the-job training	\$16,919	\$5.90	\$9.25
37-2019	Building Cleaning Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
37-2021	Pest Control Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
37-3011	Landscaping and Groundskeeping Workers	720	740	20	2.78%	10	20	30	Short-term on-the-job training	\$21,242	\$7.38	\$11.63
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$23,354	\$9.56	\$12.06
37-3013	Tree Trimmers and Pruners	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-0000	Personal Care and Service Occupations	3,310	3,440	130	3.93%	70	80	150		\$19,221	\$6.63	\$10.54
39-1011	Gaming Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
39-1012	Slot Key Persons	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-1021	First-Line Supervisors/Managers of Personal Service Workers	130	130	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$30,511	\$10.31	\$16.85
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$20,955	\$9.28	\$10.47
39-2021	Nonfarm Animal Caretakers	*	*	*	*	10	<5	10	Short-term on-the-job training	\$15,185	\$5.87	\$8.02
39-3011	Gaming Dealers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-3012	Gaming and Sports Book Writers and Runners	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
39-3019	Gaming Service Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-3021	Motion Picture Projectionists	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			

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39-3031	Ushers, Lobby Attendants, and Ticket Takers	*	*	*	*	<5	10	10	Short-term on-the-job training			
39-3091	Amusement and Recreation Attendants	290	290	0	0.00%	<5	10	10	Short-term on-the-job training	\$22,499	\$6.57	\$12.94
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-3099	Entertainment Attendants and Related Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-4011	Embalmers	10	10	0	0.00%	<5	<5	<5	Postsecondary vocational training			
39-4021	Funeral Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-5011	Barbers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-5012	Hairdressers, Hairstylists, and Cosmetologists	380	390	10	2.63%	10	10	20	Postsecondary vocational training	\$21,661	\$7.33	\$11.95
39-5092	Manicurists and Pedicurists	*	*	*	*	10	<5	10	Postsecondary vocational training			
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-5094	Skin Care Specialists	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-6011	Baggage Porters and Bellhops	*	*	*	*	10	<5	10	Short-term on-the-job training			
39-6012	Concierges	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-6021	Tour Guides and Escorts	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$15,451	\$5.91	\$8.19
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-6031	Flight Attendants	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
39-9011	Child Care Workers	*	*	*	*	10	20	30	Short-term on-the-job training			
39-9021	Personal and Home Care Aides	810	860	50	6.17%	30	10	40	Short-term on-the-job training	\$18,476	\$7.35	\$9.65
39-9031	Fitness Trainers and Aerobics Instructors	200	200	0	0.00%	<5	10	10	Postsecondary vocational training	\$15,913	\$6.48	\$8.24
39-9032	Recreation Workers	360	370	10	2.78%	10	10	20	Bachelor's degree	\$19,353	\$6.49	\$10.71
39-9041	Residential Advisors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$23,481	\$9.27	\$12.30
39-9099	Personal Care and Service Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
41-0000	Sales and Related Occupations	12,740	12,890	150	1.18%	80	530	610		\$26,518	\$6.89	\$15.68
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	990	990	0	0.00%	<5	20	20	Work experience in a related occupation	\$36,683	\$11.15	\$20.88
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	200	200	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$52,440	\$13.08	\$31.28
41-2011	Cashiers	3,950	3,930	-20	-0.51%	-10	260	250	Short-term on-the-job training	\$16,434	\$6.21	\$8.74
41-2012	Gaming Change Persons and Booth Cashiers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
41-2021	Counter and Rental Clerks	370	380	10	2.70%	10	20	30	Short-term on-the-job training	\$18,365	\$6.35	\$10.07
41-2022	Parts Salespersons	200	200	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$28,986	\$10.19	\$15.81
41-2031	Retail Salespersons	3,800	3,880	80	2.11%	40	150	190	Short-term on-the-job training	\$20,486	\$6.80	\$11.37
41-3011	Advertising Sales Agents	120	120	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$40,813	\$10.14	\$24.36
41-3021	Insurance Sales Agents	200	210	10	5.00%	10	10	20	Bachelor's degree	\$55,831	\$11.24	\$34.64
41-3031	Securities, Commodities, and Financial Services Sales Agents	*	*	*	*	<5	<5	<5	Bachelor's degree			
41-3041	Travel Agents	50	50	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$22,367	\$7.29	\$12.48
41-3099	Sales Representatives, Services, All Other	*	*	*	*	10	10	20	Moderate-term on-the-job training	\$58,285	\$15.20	\$34.43
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	230	240	10	4.35%	10	10	20	Moderate-term on-the-job training	\$68,984	\$15.96	\$41.77
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,490	1,530	40	2.68%	20	40	60	Moderate-term on-the-job training	\$47,386	\$13.92	\$27.21
41-9011	Demonstrators and Product Promoters	60	70	10	16.67%	10	<5	10	Moderate-term on-the-job training	\$19,978	\$7.13	\$10.84
41-9012	Models	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
41-9021	Real Estate Brokers	30	30	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$38,591	\$9.76	\$22.95
41-9022	Real Estate Sales Agents	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$103,606	\$20.23	\$64.60
41-9031	Sales Engineers	80	80	0	0.00%	<5	<5	<5	Bachelor's degree	\$58,267	\$19.64	\$32.20
41-9041	Telemarketers	*	*	*	*	-10	10	<5	Short-term on-the-job training			

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41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training			
41-9099	Sales and Related Workers, All Other	110	120	10	9.09%	10	<5	10	Moderate-term on-the-job training	\$34,472	\$6.11	\$21.80
43-0000	Office and Administrative Support Occupations	22,400	22,510	110	0.49%	60	540	600		\$26,310	\$8.46	\$14.74
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	1,190	1,200	10	0.84%	10	20	30	Work experience in a related occupation	\$40,531	\$12.50	\$22.98
43-2011	Switchboard Operators, Including Answering Service	230	230	0	0.00%	<5	10	10	Short-term on-the-job training	\$22,623	\$8.83	\$11.90
43-2021	Telephone Operators	*	*	*	*	-10	<5	-10	Short-term on-the-job training			
43-2099	Communications Equipment Operators, All Other	*	*	*	*	-10	<5	-10	Short-term on-the-job training			
43-3011	Bill and Account Collectors	370	390	20	5.41%	10	10	20	Short-term on-the-job training	\$28,105	\$10.43	\$15.05
43-3021	Billing and Posting Clerks and Machine Operators	600	590	-10	-1.67%	-10	10	<5	Moderate-term on-the-job training	\$25,683	\$9.62	\$13.71
43-3031	Bookkeeping, Accounting, and Auditing Clerks	2,020	2,040	20	0.99%	10	40	50	Moderate-term on-the-job training	\$27,520	\$9.38	\$15.16
43-3041	Gaming Cage Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-3051	Payroll and Timekeeping Clerks	220	220	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$29,170	\$10.07	\$16.00
43-3061	Procurement Clerks	90	80	-10	-11.11%	-10	<5	-10	Short-term on-the-job training	\$34,490	\$13.18	\$18.28
43-3071	Tellers	920	920	0	0.00%	<5	50	50	Short-term on-the-job training	\$20,647	\$8.03	\$10.87
43-4011	Brokerage Clerks	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,414	\$10.80	\$16.53
43-4021	Correspondence Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-4031	Court, Municipal, and License Clerks	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$30,206	\$11.70	\$15.93
43-4041	Credit Authorizers, Checkers, and Clerks	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$28,998	\$9.56	\$16.13
43-4051	Customer Service Representatives	1,870	1,930	60	3.21%	30	30	60	Moderate-term on-the-job training	\$28,012	\$9.24	\$15.58
43-4061	Eligibility Interviewers, Government Programs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
43-4071	File Clerks	240	220	-20	-8.33%	-10	10	<5	Short-term on-the-job training	\$20,830	\$7.87	\$11.09
43-4081	Hotel, Motel, and Resort Desk Clerks	250	260	10	4.00%	10	10	20	Short-term on-the-job training	\$15,302	\$5.86	\$8.10
43-4111	Interviewers, Except Eligibility and Loan	220	230	10	4.55%	10	10	20	Short-term on-the-job training	\$25,833	\$11.63	\$12.81
43-4121	Library Assistants, Clerical	*	*	*	*	<5	10	10	Short-term on-the-job training			
43-4131	Loan Interviewers and Clerks	200	200	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$25,468	\$8.77	\$13.98
43-4141	New Accounts Clerks	110	110	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$26,333	\$10.96	\$13.51
43-4151	Order Clerks	*	*	*	*	-10	10	<5	Short-term on-the-job training	\$25,630	\$8.27	\$14.35
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	180	190	10	5.56%	10	<5	10	Short-term on-the-job training	\$30,893	\$11.76	\$16.40
43-4171	Receptionists and Information Clerks	1,240	1,280	40	3.23%	20	30	50	Short-term on-the-job training	\$21,165	\$7.77	\$11.38
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$25,222	\$7.52	\$14.43
43-4199	Information and Record Clerks, All Other	330	320	-10	-3.03%	-10	10	<5	Short-term on-the-job training	\$31,914	\$10.16	\$17.93
43-5011	Cargo and Freight Agents	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,137	\$9.70	\$15.44
43-5021	Couriers and Messengers	150	140	-10	-6.67%	-10	<5	-10	Short-term on-the-job training	\$19,515	\$6.52	\$10.81
43-5031	Police, Fire, and Ambulance Dispatchers	90	90	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$34,637	\$14.78	\$17.59
43-5032	Dispatchers, Except Police, Fire, and Ambulance	210	210	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$30,720	\$9.74	\$17.28
43-5041	Meter Readers, Utilities	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$24,537	\$9.83	\$12.78
43-5051	Postal Service Clerks	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$47,285	\$19.65	\$24.27
43-5052	Postal Service Mail Carriers	330	330	0	0.00%	<5	10	10	Short-term on-the-job training	\$41,808	\$14.70	\$22.80
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	180	180	0	0.00%	<5	10	10	Short-term on-the-job training	\$39,674	\$11.78	\$22.72
43-5061	Production, Planning, and Expediting Clerks	360	370	10	2.78%	10	10	20	Short-term on-the-job training	\$38,082	\$12.96	\$20.98
43-5071	Shipping, Receiving, and Traffic Clerks	790	790	0	0.00%	<5	20	20	Short-term on-the-job training	\$25,039	\$8.05	\$14.03
43-5081	Stock Clerks and Order Fillers	1,560	1,540	-20	-1.28%	-10	80	70	Short-term on-the-job training	\$19,611	\$6.59	\$10.85
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	110	100	-10	-9.09%	-10	<5	-10	Short-term on-the-job training	\$26,208	\$10.07	\$13.87
43-6011	Executive Secretaries and Administrative Assistants	1,350	1,380	30	2.22%	20	20	40	Moderate-term on-the-job training	\$30,188	\$11.33	\$16.11
43-6012	Legal Secretaries	140	140	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$26,805	\$10.38	\$14.14
43-6013	Medical Secretaries	330	340	10	3.03%	10	10	20	Postsecondary vocational training	\$27,537	\$10.30	\$14.71

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43-6014	Secretaries, Except Legal, Medical, and Executive	1,980	1,950	-30	-1.52%	-20	40	20	Moderate-term on-the-job training	\$25,116	\$9.08	\$13.57
43-9011	Computer Operators	90	80	-10	-11.11%	-10	<5	-10	Moderate-term on-the-job training	\$26,808	\$9.41	\$14.63
43-9021	Data Entry Keyers	250	250	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$22,463	\$8.74	\$11.83
43-9022	Word Processors and Typists	160	150	-10	-6.25%	-10	<5	-10	Moderate-term on-the-job training	\$25,408	\$9.84	\$13.40
43-9031	Desktop Publishers	30	30	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$34,623	\$13.47	\$18.23
43-9041	Insurance Claims and Policy Processing Clerks	150	150	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,585	\$11.14	\$14.33
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	160	140	-20	-12.50%	-10	10	<5	Short-term on-the-job training	\$25,781	\$8.65	\$14.27
43-9061	Office Clerks, General	2,200	2,210	10	0.45%	10	50	60	Short-term on-the-job training	\$23,279	\$8.13	\$12.72
43-9071	Office Machine Operators, Except Computer	*	*	*	*	-10	<5	-10	Short-term on-the-job training			
43-9081	Proofreaders and Copy Markers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-9111	Statistical Assistants	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
43-9199	Office and Administrative Support Workers, All Other	310	320	10	3.23%	10	10	20	Short-term on-the-job training	\$26,127	\$9.23	\$14.23
45-0000	Farming, Fishing, and Forestry Occupations	240	240	0	0.00%	<5	10	10		\$24,925	\$7.51	\$14.22
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
45-2011	Agricultural Inspectors	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
45-2021	Animal Breeders	0	0	0	NA	<5	<5	<5	Associate Degree			
45-2041	Graders and Sorters, Agricultural Products	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
45-2091	Agricultural Equipment Operators	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training	\$23,895	\$6.77	\$13.85
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
45-2093	Farmworkers, Farm and Ranch Animals	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$19,734	\$7.19	\$10.64
45-2099	Agricultural Workers, All Other	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$20,205	\$7.83	\$10.65
45-3011	Fishers and Related Fishing Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-4011	Forest and Conservation Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-4022	Logging Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-4023	Log Graders and Skidders	*	*	*	*	-10	<5	-10	Moderate-term on-the-job training			
45-4029	Logging Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-0000	Construction and Extraction Occupations	5,110	5,290	180	3.52%	90	90	180		\$37,351	\$11.59	\$21.14
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	360	370	10	2.78%	10	10	20	Work experience in a related occupation	\$53,957	\$18.04	\$29.89
47-2011	Boilermakers	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
47-2021	Brickmasons and Blockmasons	100	110	10	10.00%	10	<5	10	Long-term on-the-job training	\$41,150	\$13.47	\$22.94
47-2022	Stonemasons	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
47-2031	Carpenters	1,010	1,050	40	3.96%	20	20	40	Long-term on-the-job training	\$30,788	\$10.82	\$16.79
47-2041	Carpet Installers	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,585	\$10.13	\$16.27
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,346	\$10.75	\$12.90
47-2043	Floor Sanders and Finishers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2044	Tile and Marble Setters	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$51,547	\$20.50	\$26.92
47-2051	Cement Masons and Concrete Finishers	180	190	10	5.56%	10	<5	10	Moderate-term on-the-job training	\$46,702	\$17.71	\$24.82
47-2053	Terrazzo Workers and Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2061	Construction Laborers	640	650	10	1.56%	10	10	20	Moderate-term on-the-job training	\$31,864	\$9.81	\$18.07
47-2071	Paving, Surfacing, and Tamping Equipment Operators	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$43,462	\$15.57	\$23.56
47-2072	Pile-Driver Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2073	Operating Engineers and Other Construction Equipment Operators	470	490	20	4.26%	10	10	20	Moderate-term on-the-job training	\$42,673	\$14.95	\$23.30
47-2081	Drywall and Ceiling Tile Installers	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,049	\$6.17	\$14.98
47-2082	Tapers	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$34,442	\$12.18	\$18.75
47-2111	Electricians	430	450	20	4.65%	10	10	20	Long-term on-the-job training	\$42,625	\$14.78	\$23.35
47-2121	Glaziers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			

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47-2131	Insulation Workers, Floor, Ceiling, and Wall	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
47-2132	Insulation Workers, Mechanical	10	20	10	100.00%	10	<5	10	Moderate-term on-the-job training			
47-2141	Painters, Construction and Maintenance	160	170	10	6.25%	10	<5	10	Moderate-term on-the-job training	\$29,798	\$8.27	\$17.35
47-2142	Paperhangers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
47-2151	Pipelayers	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$47,079	\$19.27	\$24.32
47-2152	Plumbers, Pipefitters, and Steamfitters	290	300	10	3.45%	10	10	20	Long-term on-the-job training	\$45,752	\$16.24	\$24.87
47-2161	Plasterers and Stucco Masons	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2171	Reinforcing Iron and Rebar Workers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2181	Roofers	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$33,797	\$11.62	\$18.56
47-2211	Sheet Metal Workers	230	240	10	4.35%	10	10	20	Long-term on-the-job training	\$37,729	\$11.57	\$21.42
47-2221	Structural Iron and Steel Workers	60	70	10	16.67%	10	<5	10	Long-term on-the-job training	\$45,578	\$14.96	\$25.39
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$34,966	\$11.35	\$19.54
47-3012	Helpers--Carpenters	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$26,651	\$9.42	\$14.51
47-3013	Helpers--Electricians	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	*	*	*	*	10	<5	10	Short-term on-the-job training	\$28,444	\$11.08	\$14.97
47-3016	Helpers--Roofers	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
47-4011	Construction and Building Inspectors	50	50	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$46,474	\$18.73	\$24.15
47-4021	Elevator Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-4031	Fence Erectors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-4041	Hazardous Materials Removal Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-4051	Highway Maintenance Workers	310	320	10	3.23%	10	<5	10	Moderate-term on-the-job training	\$31,438	\$13.78	\$15.78
47-4061	Rail-Track Laying and Maintenance Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,942	\$10.41	\$15.67
47-4099	Construction and Related Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$22,804	\$7.79	\$12.55
47-5021	Earth Drillers, Except Oil and Gas	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$24,728	\$10.06	\$12.80
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
47-5041	Continuous Mining Machine Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5042	Mine Cutting and Channeling Machine Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5051	Rock Splitters, Quarry	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
47-5081	Helpers--Extraction Workers	0	0	0	NA	<5	<5	<5	Short-term on-the-job training			
49-0000	Installation, Maintenance, and Repair Occupations	4,800	4,900	100	2.08%	50	100	150		\$35,436	\$10.62	\$20.25
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	400	400	0	0.00%	<5	10	10	Work experience in a related occupation	\$48,033	\$14.21	\$27.53
49-2011	Computer, Automated Teller, and Office Machine Repairers	50	50	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$37,187	\$13.47	\$20.08
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$37,627	\$11.36	\$21.46
49-2091	Avionics Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2092	Electric Motor, Power Tool, and Related Repairers	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$35,946	\$13.66	\$19.09
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$39,622	\$12.81	\$22.17
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	*	*	*	*	<5	<5	<5	Postsecondary vocational training			



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49-2097	Electronic Home Entertainment Equipment Installers and Repairers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2098	Security and Fire Alarm Systems Installers	*	*	*	*	10	<5	10	Postsecondary vocational training			
49-3011	Aircraft Mechanics and Service Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-3021	Automotive Body and Related Repairers	150	150	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$30,635	\$10.74	\$16.72
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-3023	Automotive Service Technicians and Mechanics	720	730	10	1.39%	10	20	30	Postsecondary vocational training	\$31,370	\$9.54	\$17.85
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	320	330	10	3.13%	10	10	20	Postsecondary vocational training	\$36,955	\$13.75	\$19.77
49-3041	Farm Equipment Mechanics	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$28,502	\$10.75	\$15.18
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	120	120	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$40,824	\$16.34	\$21.27
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-3051	Motorboat Mechanics	*	*	*	*	-10	<5	-10	Long-term on-the-job training	\$25,746	\$10.46	\$13.34
49-3052	Motorcycle Mechanics	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$36,274	\$12.73	\$19.79
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$23,855	\$10.34	\$12.03
49-3091	Bicycle Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-3093	Tire Repairers and Changers	70	70	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$23,897	\$8.76	\$12.85
49-9011	Mechanical Door Repairers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$56,205	\$20.03	\$30.52
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	190	200	10	5.26%	10	<5	10	Long-term on-the-job training	\$40,265	\$13.60	\$22.24
49-9031	Home Appliance Repairers	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$33,472	\$13.04	\$17.62
49-9041	Industrial Machinery Mechanics	240	250	10	4.17%	10	10	20	Long-term on-the-job training	\$41,267	\$12.94	\$23.29
49-9042	Maintenance and Repair Workers, General	1,290	1,330	40	3.10%	20	20	40	Long-term on-the-job training	\$31,504	\$10.82	\$17.31
49-9043	Maintenance Workers, Machinery	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$33,965	\$12.37	\$18.31
49-9044	Millwrights	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-9045	Refractory Materials Repairers, Except Brickmasons	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
49-9051	Electrical Power-Line Installers and Repairers	110	110	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$54,324	\$22.69	\$27.83
49-9052	Telecommunications Line Installers and Repairers	90	90	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$33,527	\$11.50	\$18.43
49-9061	Camera and Photographic Equipment Repairers	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
49-9062	Medical Equipment Repairers	*	*	*	*	<5	<5	<5	Associate degree			
49-9063	Musical Instrument Repairers and Tuners	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-9064	Watch Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-9069	Precision Instrument and Equipment Repairers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9093	Fabric Menders, Except Garment	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9094	Locksmiths and Safe Repairers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,860	\$8.18	\$15.28
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9096	Riggers	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
49-9098	Helpers--Installation, Maintenance, and Repair Workers	110	110	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$17,424	\$6.75	\$9.19
49-9099	Installation, Maintenance, and Repair Workers, All Other	120	130	10	8.33%	10	<5	10	Moderate-term on-the-job training	\$36,868	\$11.77	\$20.70
51-0000	Production Occupations	16,540	16,700	160	0.97%	80	390	470		\$29,343	\$8.94	\$16.69
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	1,130	1,150	20	1.77%	10	20	30	Work experience in a related occupation	\$43,964	\$14.11	\$24.65

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51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
51-2021	Coil Winders, Tapers, and Finishers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-2022	Electrical and Electronic Equipment Assemblers	*	*	*	*	-10	<5	-10	Short-term on-the-job training			
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-2031	Engine and Other Machine Assemblers	*	*	*	*	10	<5	10	Short-term on-the-job training			
51-2041	Structural Metal Fabricators and Fitters	260	260	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$30,961	\$13.08	\$15.79
51-2091	Fiberglass Laminators and Fabricators	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-2092	Team Assemblers	2,570	2,640	70	2.72%	40	70	110	Moderate-term on-the-job training	\$29,203	\$9.17	\$16.48
51-2099	Assemblers and Fabricators, All Other	300	300	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$22,971	\$8.66	\$12.24
51-3011	Bakers	180	180	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$19,377	\$7.21	\$10.37
51-3021	Butchers and Meat Cutters	150	150	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$24,872	\$9.78	\$13.05
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-3023	Slaughterers and Meat Packers	*	*	*	*	<5	10	10	Moderate-term on-the-job training			
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-3092	Food Batchmakers	220	220	0	0.00%	<5	10	10	Short-term on-the-job training	\$24,841	\$9.50	\$13.16
51-3093	Food Cooking Machine Operators and Tenders	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$20,587	\$7.86	\$10.92
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	270	270	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,151	\$10.17	\$18.10
51-4012	Numerical Tool and Process Control Programmers	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$41,477	\$15.44	\$22.19
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	120	120	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,032	\$11.33	\$15.99
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	570	560	-10	-1.75%	-10	10	<5	Moderate-term on-the-job training	\$30,042	\$10.84	\$16.24
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,549	\$11.34	\$15.64
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4041	Machinists	460	470	10	2.17%	10	10	20	Long-term on-the-job training	\$34,291	\$12.59	\$18.44
51-4051	Metal-Refining Furnace Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4052	Pourers and Casters, Metal	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4061	Model Makers, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4062	Patternmakers, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4071	Foundry Mold and Coremakers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	380	380	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$23,576	\$9.78	\$12.11
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	10	10	Moderate-term on-the-job training			
51-4111	Tool and Die Makers	170	180	10	5.88%	10	<5	10	Long-term on-the-job training	\$44,327	\$16.95	\$23.49
51-4121	Welders, Cutters, Solderers, and Brazers	700	710	10	1.43%	10	20	30	Postsecondary vocational training	\$32,173	\$12.49	\$16.95
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			

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51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4192	Lay-Out Workers, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,040	\$9.72	\$14.64
51-4194	Tool Grinders, Filers, and Sharpeners	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$31,654	\$13.10	\$16.28
51-4199	Metal Workers and Plastic Workers, All Other	*	*	*	*	-10	<5	-10	Moderate-term on-the-job training	\$29,924	\$11.28	\$15.94
51-5011	Bindery Workers	210	210	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$22,289	\$7.90	\$12.12
51-5012	Bookbinders	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-5021	Job Printers	90	90	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$38,421	\$14.22	\$20.60
51-5022	Prepress Technicians and Workers	120	110	-10	-8.33%	-10	<5	-10	Postsecondary vocational training	\$29,275	\$9.32	\$16.45
51-5023	Printing Machine Operators	310	320	10	3.23%	10	10	20	Moderate-term on-the-job training	\$30,868	\$10.13	\$17.19
51-6011	Laundry and Dry-Cleaning Workers	230	240	10	4.35%	10	10	20	Moderate-term on-the-job training	\$19,262	\$7.30	\$10.24
51-6021	Pressers, Textile, Garment, and Related Materials	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-6031	Sewing Machine Operators	360	360	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$22,219	\$7.40	\$12.33
51-6041	Shoe and Leather Workers and Repairers	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
51-6042	Shoe Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-6052	Tailors, Dressmakers, and Custom Sewers	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$22,819	\$8.27	\$12.32
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-6092	Fabric and Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-6093	Upholsterers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-6099	Textile, Apparel, and Furnishings Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-7011	Cabinetmakers and Bench Carpenters	*	*	*	*	10	20	30	Long-term on-the-job training	\$21,450	\$7.79	\$11.57
51-7021	Furniture Finishers	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-7031	Model Makers, Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-7032	Patternmakers, Wood	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	260	250	-10	-3.85%	-10	10	<5	Moderate-term on-the-job training	\$20,011	\$7.16	\$10.85
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	*	*	*	*	-10	10	<5	Moderate-term on-the-job training			
51-7099	Woodworkers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-8011	Nuclear Power Reactor Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8012	Power Distributors and Dispatchers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8013	Power Plant Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$57,344	\$21.05	\$30.83
51-8021	Stationary Engineers and Boiler Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$45,245	\$18.29	\$23.48
51-8031	Water and Liquid Waste Treatment Plant and System Operators	*	*	*	*	10	10	20	Long-term on-the-job training	\$38,463	\$14.14	\$20.67
51-8091	Chemical Plant and System Operators	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-8092	Gas Plant Operators	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8099	Plant and System Operators, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-9011	Chemical Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$33,912	\$15.31	\$16.80

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51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,258	\$9.25	\$14.31
51-9022	Grinding and Polishing Workers, Hand	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,595	\$10.25	\$15.50
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	180	180	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$28,264	\$11.22	\$14.77
51-9031	Cutters and Trimmers, Hand	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$24,775	\$9.78	\$12.98
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	230	230	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$28,991	\$10.48	\$15.67
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,438	\$11.98	\$16.68
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	720	730	10	1.39%	10	20	30	Moderate-term on-the-job training	\$31,948	\$10.01	\$18.04
51-9071	Jewelers and Precious Stone and Metal Workers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
51-9081	Dental Laboratory Technicians	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$26,556	\$8.90	\$14.70
51-9082	Medical Appliance Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-9083	Ophthalmic Laboratory Technicians	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,421	\$10.23	\$16.10
51-9111	Packaging and Filling Machine Operators and Tenders	770	760	-10	-1.30%	-10	20	10	Short-term on-the-job training	\$23,617	\$8.63	\$12.72
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	260	260	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$28,494	\$10.17	\$15.47
51-9122	Painters, Transportation Equipment	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$32,896	\$14.21	\$16.62
51-9123	Painting, Coating, and Decorating Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$23,537	\$7.39	\$13.28
51-9131	Photographic Process Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9132	Photographic Processing Machine Operators	*	*	*	*	-10	<5	-10	Short-term on-the-job training			
51-9191	Cementing and Gluing Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$28,285	\$10.76	\$15.02
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9193	Cooling and Freezing Equipment Operators and Tenders	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-9194	Etchers and Engravers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9196	Paper Goods Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$25,309	\$10.12	\$13.19
51-9197	Tire Builders	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
51-9198	Helpers--Production Workers	690	710	20	2.90%	10	20	30	Short-term on-the-job training	\$20,658	\$7.08	\$11.36
51-9199	Production Workers, All Other	390	390	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$27,721	\$8.61	\$15.68
53-0000	Transportation and Material Moving Occupations	13,130	13,370	240	1.83%	120	280	400		\$27,809	\$8.02	\$16.04
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	220	220	0	0.00%	<5	10	10	Work experience in a related occupation	\$42,775	\$14.35	\$23.67
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	310	310	0	0.00%	<5	10	10	Work experience in a related occupation	\$44,877	\$14.56	\$25.08
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
53-2012	Commercial Pilots	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
53-2021	Air Traffic Controllers	*	*	*	*	<5	<5	<5	Bachelor's degree			
53-2022	Airfield Operations Specialists	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-3021	Bus Drivers, Transit and Intercity	140	140	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,427	\$11.89	\$17.44
53-3022	Bus Drivers, School	360	370	10	2.78%	10	10	20	Short-term on-the-job training	\$26,677	\$8.03	\$15.22

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53-3031	Driver/Sales Workers	320	330	10	3.13%	10	10	20	Short-term on-the-job training	\$26,369	\$6.77	\$15.63
53-3032	Truck Drivers, Heavy and Tractor-Trailer	4,680	4,790	110	2.35%	60	70	130	Moderate-term on-the-job training	\$34,160	\$11.27	\$19.00
53-3033	Truck Drivers, Light or Delivery Services	1,110	1,140	30	2.70%	20	10	30	Short-term on-the-job training	\$20,631	\$6.61	\$11.57
53-3041	Taxi Drivers and Chauffeurs	190	200	10	5.26%	10	<5	10	Short-term on-the-job training	\$20,270	\$7.03	\$11.10
53-3099	Motor Vehicle Operators, All Other	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$15,533	\$5.85	\$8.28
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
53-5011	Sailors and Marine Oilers	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$25,827	\$5.94	\$15.66
53-5021	Captains, Mates, and Pilots of Water Vessels	10	10	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$69,021	\$19.22	\$40.17
53-5031	Ship Engineers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
53-6011	Bridge and Lock Tenders	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$48,031	\$20.73	\$24.27
53-6021	Parking Lot Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-6031	Service Station Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$25,490	\$8.27	\$14.25
53-6041	Traffic Technicians	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-6051	Transportation Inspectors	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
53-6099	Transportation Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-7011	Conveyor Operators and Tenders	40	50	10	25.00%	10	<5	10	Short-term on-the-job training	\$27,516	\$10.37	\$14.66
53-7021	Crane and Tower Operators	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$43,910	\$15.47	\$23.93
53-7031	Dredge Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7032	Excavating and Loading Machine and Dragline Operators	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$57,132	\$17.59	\$32.40
53-7033	Loading Machine Operators, Underground Mining	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7041	Hoist and Winch Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7051	Industrial Truck and Tractor Operators	980	1,000	20	2.04%	10	20	30	Short-term on-the-job training	\$26,727	\$9.80	\$14.38
53-7061	Cleaners of Vehicles and Equipment	280	280	0	0.00%	<5	10	10	Short-term on-the-job training	\$19,210	\$6.42	\$10.65
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,740	2,770	30	1.09%	20	100	120	Short-term on-the-job training	\$23,016	\$7.50	\$12.85
53-7063	Machine Feeders and Offbearers	200	200	0	0.00%	<5	10	10	Short-term on-the-job training	\$22,965	\$8.33	\$12.40
53-7064	Packers and Packagers, Hand	1,040	1,050	10	0.96%	10	20	30	Short-term on-the-job training	\$18,340	\$6.63	\$9.91
53-7072	Pump Operators, Except Wellhead Pumps	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
53-7081	Refuse and Recyclable Material Collectors	80	80	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$26,154	\$10.30	\$13.71
53-7111	Shuttle Car Operators	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-7121	Tank Car, Truck, and Ship Loaders	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
53-7199	Material Moving Workers, All Other	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$41,393	\$12.92	\$23.39

Footnotes:

- (1) **Employment** is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding.  
Employment is a count of jobs rather than people, and includes all part- and full-time nonfarm jobs. Employment does not include jobs among self-employed and unpaid family workers.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation.  
Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) **Total openings** are the sum of new jobs and replacements. Total openings are an indication of how many new people are needed to enter a given occupation.
- (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.  
**Short-Term On-the-Job Training:** These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.  
**Moderate-Term On-the-Job Training:** Training for these occupations usually occurs at the workplace and lasts from one to twelve months.



SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Annual Openings			Typical Education/Training Path <sup>(4)</sup>	Estimated Salary and Wages		
		2005	2007	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Avg Ann Salary <sup>(5)</sup>	Entry Level Wage <sup>(6)</sup>	Experienced Wage <sup>(7)</sup>

**Long-Term On-the-Job Training:** These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.

**Work Experience in Related Occupation:** Occupations in this category require skills and experience gained in other jobs.

**Postsecondary Vocational Training:** These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.

**Associate Degree:** This degree requires two years of full-time academic work beyond high school.

**Bachelor's Degree:** This degree requires four or five years of full-time academic work at a college or university.

**Master's Degree:** This degree requires one to two years of full-time study beyond a bachelor's degree.

**Doctoral Degree:** This degree usually requires at least three years of full-time study beyond a bachelor's degree.

**First Professional Degree:** These degrees typically require at least two years of full-time study beyond a bachelor's degree.

**Bachelor's or higher degree, plus work experience:** These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.

(5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.

(6) **Entry Level Wage** is the average of the lower third of wages.

(7) **Experienced Wage** is the average of the upper two-thirds of wages.

(8) Either a bachelor's or an associate degree are accepted in this occupations. It depends on the specifics of the position and the employer.

Information is derived using the 2005 OES Survey, 2005 QCEW and 2005 CES (3/05 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy during 2006 and 2007. It is important to note that unanticipated events may affect the accuracy of these projections.

**Source:** Office of Economic Advisors, Wisconsin Department of Workforce Development  
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